

SCANNING SYSTEM WITH FLEXIBLE DRIVE ASSEMBLY

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ABSTRACT

A system is provided for scanning an object, the system comprising:
a drive shaft having a proximal portion and a longitudinal axis; a motor
including a motor shaft having a rotational axis, the motor serving to rotate
the motor shaft about the rotational axis; a flexible joint coupling the drive
10 shaft to the motor shaft by the proximal portion of the drive shaft, the
flexible joint having a range of motion which allows the longitudinal axis of
the drive shaft to move relative to the rotational axis of the motor shaft; and
an object attached to the drive shaft which is movable along the
longitudinal axis of the drive shaft in response to the drive shaft being
15 rotated by the motor. This system may be used in a drum scanner system
and may be used to read storage layer radiation screens.